

Message Text

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73

ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 FEA-01 AID-05 CEA-01 CIAE-00

CIEP-02 COME-00 DODE-00 EB-07 FPC-01 H-02 INR-07

INT-05 L-02 NSAE-00 NSC-05 OMB-01 PM-03 SAM-01 OES-05

SP-02 SS-15 STR-04 TRSE-00 FRB-01 /090 R

66619

DRAFTED BY USERDA:E. DOERING, SOLAR ENERGY

APPROVED BY OES/SCI/AE - M.PROCHNIK

USERDA:IP:DIR:ADREIDMAN

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R 282217Z MAR 75

FM SECSTATE WASHDC

TO AMEMBASSY BONN

UNCLAS STATE 071090

E.O. 11652: N/A

TAGS: ENRG

SUBJECT:SOLAR ENERGY - U.S. PROGRAM

REF: BONN 03818

1. RE TELECON BETWEEN EMBASSY BONN (MCCLELLAND) AND ERDA (MCDONOUGH), MARCH 7, ABOUT U.S. SOLAR ENERGY PROGRAM THE INFORMATION NOTED BELOW MAY NOW BE PASSED ON TO INTERESTED PARTIES CONCERNING PLANS FOR CONSTRUCTION OF 300 MW SOLAR ENERGY PLANT IN 1985.

2. U.S. SOLAR ENERGY PROGRAM INCLUDES PLANNING FOR A 100-300 MW ELECTRIC, SOLAR THERMAL POWER SYSTEM WHICH MIGHT, REPEAT MIGHT, BE OPERATIONAL IN THE MID-1980'S. TO OBTAIN NECESSARY INFORMATION REQUIRED TO BASE DECISIONS ON SUCH A PLANT, STUDIES WILL COMMENCE WITH PHASE 1, THE PRELIMINARY DESIGN OF A 10 MW ELECTRIC EXPER-
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IMENTAL PILOT PLANT, EMPLOYING THE CENTRAL RECEIVER CONCEPT.

PHASE 1 IS PROGRAMMED FOR TWO YEARS AND INCLUDES CRITICAL RE-
SEARCH EXPERIMENTS ON COLLECTOR, RECEIVER AND THERMAL STORAGE
SUBSYSTEMS. PHASE 1 REQUEST FOR PROPOSAL WAS RELEASED FROM ERDA
SAN FRANCISCO OPERATIONS OFFICE ON MARCH 17, 1975, AS WAS ANT-
ICIPATED IN THE MARCH 4, 1975 ISSUE OF THE COMMERCE BUSINESS
DAILY.

3. IT IS ENVISIONED THAT PHASE 2 WILL ENCOMPASS THE FINAL DESIGN,
DEVELOPMENT, FABRICATION, ASSEMBLY OPERATION TEST AND
EVALUATION OF THE 10 MWE EXPERIMENTAL PILOT PLANT, MOST
LIKELY LOCATED IN THE SOUTHWESTERN U.S.

4. SUBSEQUENT PHASES WILL BE DEFINED AS REQUIRED BASED ON
PROGRESS ACHIEVED.

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